

CLAIMS:

1. A movable wood crushing machine for producing crushed wood chips by crushing charge wood, comprising:

5 a vehicle body provided with a travel device for traveling;

a rotary crushing device provided at one edge of this vehicle body in the traveling direction for crushing said wood into said wood chips;

10 a tab-type feeder having a rotary tab rotatably provided on this rotary crushing device with a charging opening for charging wood to be crushed formed in upper part thereof;

a conveyer extending from a position under said rotary crushing device toward the other edge of said vehicle body in the traveling direction for transferring and discharging wood chips crushed by said rotary crushing device to the outside; and

15 a drive unit provided between said rotary crushing device and said conveyer for driving drive sources for said travel device, said rotary crushing device, said tab-type feeder, and said conveyer.

2. The movable wood crushing machine according to claim 1,

20 wherein said rotary crushing device is provided at a position adjacent to said drive unit; and

said tab-type feeder has a scattering prevention cover provided at a position corresponding to the position of said rotary crushing device for covering said charging opening.

25 3. The movable wood crushing machine according to claim 2,

wherein an opening for feeding wood to said rotary crushing device is formed at bottom section of said tab-type feeder; and

said scattering prevention cover is provided at a position covering the opening when viewed from the top.

4. The movable wood crushing machine according to claim 2 or claim 3,
wherein said scattering prevention cover extends from an edge section of the
charging opening of said tab-type feeder on the side closer to the drive unit in the traveling
5 direction toward an edge section in the lateral direction perpendicular to the traveling
direction.
5. The movable wood crushing machine according to any of claims 1 to 4,
wherein an operation panel for driving and operating various devices including
10 said drive unit is provided on a side face in the lateral direction perpendicular to the
traveling direction of said vehicle body;
a cooling air inlet section for said drive unit is formed on the side face with the
operation panel provided thereon; and
this cooling air inlet section is covered with a covering device allowing visual
15 check of clogging on the surface thereof.
6. The movable wood crushing machine according to any of claims 1 to 5,
wherein said vehicle body is provided with a swinging mechanism for swinging
said tab-type feeder toward end of said vehicle body in the traveling direction.
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7. The movable wood crushing machine according to claim 6,
wherein said swinging mechanism has a coupling shaft swingably bearing said
tab-type feeder on said vehicle body; and
when said tab-type feeder is in a posture for working, the horizontal distance
25 from the center of said coupling shaft to an edge section of said tab-type feeder on the side
closer to said drive unit along the traveling direction of said vehicle body is shorter than
the vertical distance from the center of said coupling shaft to the highest part of said
tab-type feeder.

8. The movable wood crushing machine according to claim 7,
wherein when said tab-type feeder is in a posture for working, the horizontal distance from the center of said coupling shaft to an edge section of said tab-type feeder on the contrary side from said drive unit along the traveling direction of said vehicle body is shorter than the vertical direction from the center of said coupling shaft to a position of said travel device contacting the ground surface.
9. The movable wood crushing machine according to any of claims 5 to 7,
wherein said tab-type feeder comprises:
a base plate fixed on said vehicle body;
a rotary tab rotatably provided on this base plate; and
a hopper provided in the upper part of the rotary tab and supported by a column erected from said base plate.
10. The movable wood crushing machine according to any of claims 6 to 9,
wherein said swinging mechanism has a swinging restricting section for inhibiting a swinging movement of said tab-type feeder up to a position causing interference to said travel device when said tab-type feeder is swung around said coupling shaft.
11. The wood crushing machine according to any of claims 1 to 10,
wherein a screen member allowing passing through only the wood chips crushed by said rotary crushing device having a prespecified size or below is provided between said rotary crushing device and said conveyer; and
this screen member is provided around a rotary shaft of said rotary crushing device to surround said rotary crushing device with an upper edge thereof provided at a position higher than the rotary shaft of said rotary crushing device when viewed from a position of said rotary shaft.